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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/708,047 02/05/2004		Wen-Huang Liu	KYCP0014USA	2046	
27765	7590 12/07/2005		EXAMINER		
	MERICA INTELLECT	PRENTY, MARK V			
P.O. BOX 50 MERRIFIEL	D, VA 22116	ART UNIT	PAPER NUMBER		
	•		2822		
		(DATE MAILED: 12/07/2003	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

		A	oplication No.	Applicant(s)				
			0/708,047	LIU ET AL.				
Office Action Summary		E	caminer	Art Unit				
		M	ARK PRENTY	2822				
Period fo	The MAILING DATE of this commun or Reply	nication appear	s on the cover sheet	t with the correspondence a	address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE IN Insions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come to period for reply is specified above, the maximum is tree to reply within the set or extended period for reply reply received by the Office later than three months ed patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE s of 37 CFR 1.136(a) munication. tatutory period will ap y will, by statute, caus	OF THIS COMMU In no event, however, may ply and will expire SIX (6) N te the application to become	NICATION. y a reply be timely filed MONTHS from the mailing date of this e ABANDONED (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) file	ed on 03 Nove	mber 2005					
2a)□			ion is non-final.					
3)								
•	closed in accordance with the pract	ice under Ex p	arte Quayle, 1935 C	C.D. 11, 453 O.G. 213.				
Disposit	ion of Claims							
4)⊠	Claim(s) 1-26 is/are pending in the	application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.							
6)🖂	Claim(s) 1 and 16-26 is/are rejected	i.						
7)⊠	Claim(s) 2-15 is/are objected to.							
8)[Claim(s) are subject to restrict	ction and/or ele	ection requirement.					
Applicat	ion Papers							
9)□	The specification is objected to by th	e Examiner.						
10)⊠	The drawing(s) filed on 03 November	<u>er 2005</u> is/are:	a)⊠ accepted or b)□ objected to by the Exa	ıminer.			
	Applicant may not request that any obje	ection to the drav	ving(s) be held in abe	yance. See 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including							
11)	The oath or declaration is objected to	o by the Exami	ner. Note the attacl	hed Office Action or form F	PTO-152.			
Priority (ınder 35 U.S.C. § 119							
	Acknowledgment is made of a claim ☐ All b)☐ Some * c)☐ None of:	for foreign pric	ority under 35 U.S.C	C. § 119(a)-(d) or (f).				
	1. Certified copies of the priority	documents ha	ve been received.					
	2. Certified copies of the priority	documents ha	ve been received ir	n Application No				
	3. Copies of the certified copies	, ,		en received in this Nationa	al Stage			
	application from the Internation							
* 5	See the attached detailed Office action	on for a list of th	ne certified copies n	ot received.				
Attachmen	• •		🗂 .					
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F	PTO-948)		w Summary (PTO-413) lo(s)/Mail Date				
3) 🔲 Inforr	nation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date			of Informal Patent Application (P	ГО-152)			

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This Office Action is in response to the response filed on November 3, 2005.

Claims 16-26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Specifically, claims 16-26 are indefinite in reciting, "... or other substitute materials."

Claims 1, 16 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by United States Patent 6,645,783 to Brunner et al. (Brunner).

With respect to independent claim 1, Brunner discloses a light-emitting device with compound substrate comprising (see the entire patent, particularly the Fig. 1 disclosure): a compound substrate comprising a high thermal conductive layer 13 and a substrate 4 disposed around the high thermal conductive layer (see column 5, lines 14-15); an adhesive layer formed on the compound substrate (see column 5, lines 9-11); and a light-emitting stack layer 1 formed on the adhesive layer (see column 4, lines 59-64 and column 5, lines 9-11).

Claim 1 is thus rejected under 35 U.S.C. 102(e) as being anticipated by Brunner.

With respect to dependent claim 16, Brunner's high thermal conductive layer 13 comprises copper (Cu) (see column 5, lines 14-15).

Claim 16 is thus rejected under 35 U.S.C. 102(e) as being anticipated by Brunner.

With respect to dependent claim 18, Brunner's substrate preferably comprises plastic (see column 5, lines 63-64).

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Claim 18, at least insofar as understood, is thus rejected under 35 U.S.C. 102(e) as being anticipated by Brunner.

Claim 24, at least insofar as understood, is rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent 6,645,783 to Brunner et al. (Brunner) together with the admitted Prior Art (see the specification at paragraphs [0003-0005]).

Claim 24 depends on independent claim 1, which is rejected under 35 U.S.C. 102(e) as being anticipated by Brunner (see above). The above explanation of the rejection of independent claim 1 under 35 U.S.C. 102(e) as being anticipated by Brunner is hereby incorporated by reference into this rejection of dependent claim 24 under 35 U.S.C. 103(a) as being unpatentable over Brunner together with the admitted Prior Art.

The difference, therefore, between claim 24 and Brunner is claim 24's light-emitting stack comprises AlGaInP, for example, while Brunner does not disclose its light-emitting stack's composition.

The admitted Prior Art teaches that light-emitting devices conventionally comprise AlGaInP (see the specification at paragraphs [0003-0005]).

It would have been obvious to one skilled in this art to form Brunner's lightemitting device 1 of AlGaInP because the admitted Prior Art teaches that light-emitting devices are conventionally formed of AlGaInP.

Claim 24, at least insofar as understood, is thus rejected under 35 U.S.C. 103(a) as being obvious over Brunner together with the admitted Prior Art.

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Claims 2-15 are objected to as being dependent upon a rejected base claim, but would be allowable over the prior art of record if rewritten in independent form including

all of the limitations of the base claim and any intervening claims.

The applicant's arguments are moot in view of the new grounds of rejection.

Registered practitioners can telephone the examiner at (571) 272-1843. Any

voicemail message left for the examiner must include the name and registration number

of the registered practitioner calling, and the Application/Control (Serial) Number.

Technology Center 2800's general telephone number is (571) 272-2800.

Mark V. Prenty
Primary Examiner

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